

BEST AVAILABLE COPY

7. VI MAX

1/1 KPIL - (C) Thomson Derwent
AN - 1975-82409M [50]
TI - 1,1-Difluoroethane prepn. - by reacting dichloroethane with hydrogen
fluoride in presence of antimony pentachloride
DC - E16
PA - (CENG) CENTRAL GLASS CO LTD
NP - 1
MC - i
PN - JP50106904 A 19750822 DM1975-50 *
PR - 1974JP-0014073 19740205
IC - B01J-000/00 C07C-000/00
AB - JP50106904 A

152a \leftrightarrow MeCHF₂ (I) was prep'd. by liq. phase reaction of MeCHCl₂ (II) with HF
at ordinary pressure and -10 degrees to 15 degrees in the presence of
SbCl₅ (catalyst). In an example, 45 g/hr. (II) and 1 mole/hr. anhyd.
HF were mixed with 130 ml. anhyd. HF and 19.5g SbCl₅ 2 hr. at -5
degrees and the mixt. was left to react for 30 min. to give a prod.
contg. (II) 3.8, MeCHClF 3.8, and (I) 79.6%.

MC - CPI: E10-H02B
UP - 1975-50